

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1939	360/324-324.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:43
L2	42	428/811.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:14
L3	111	1 and (depression groove grating)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:31
L4	109	3 not 2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:29
L5	80313	(MR GMR TMR AMR magneto\$1resistive\$1 magneto\$1resistance\$1 (magneto adj resistive) (magneto adj resistance) (spin adj valve) spin\$1valve\$1 (magnetic adj (head element sensor apparatus memory junction)) tunnel\$1junction\$1 (tunnel adj junction)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:31
L6	1600780	depression groove grating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:32
L7	7528	(restore restorative force align alignment) same ((bias biasing external) adj (magnetic field magnetization))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:33
L8	1	5 and (6 same 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:33

## EAST Search History

L9	310305	(normal perpendicular away) same (track\$1direction track\$1width (track adj direction) (track adj width) medium media disk disc tape)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:34
L10	408915	(normal perpendicular away) same (track\$1direction track\$1width (track adj direction) (track adj width) medium media disk disc tape height stripe\$1height sensor\$1height)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:34
L11	388	5 and (6 same 10)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:35
L12	381	11 not (2 4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:35
L13	38096	6 near4 (normal perpendicular away)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:36
L14	116	12 and 13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:37
L15	12	11 and (MR GMR TMR AMR magneto\$1resistive\$1 magneto\$1resistance\$1 (magneto adj resistive) (magneto adj resistance) (spin adj valve) spin\$1valve\$1 tunnel\$1junction\$1 (tunnel adj junction)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:39
L16	24	11 and (MR GMR TMR AMR magneto\$1resistive\$1 magneto\$1resistance\$1 (magneto adj resistive) (magneto adj resistance) (spin adj valve) spin\$1valve\$1 tunnel\$1junction\$1 (tunnel adj junction)).ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:39
L17	12	16 not 15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:39

## EAST Search History

L18	93	(ARNOLD near2 CARL).in. (DENISON near2 EDWARD).in. (NIBARGER near2 JOHN).in. (HELMS near2 CARL).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:40
L19	4	18 and @PD>"20051116"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:41